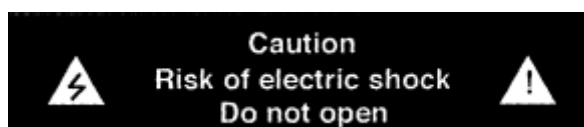


Reference 8 music player

SAFETY INSTRUCTION

To avoid personal injury or damage to equipment, please ensure that you read this manual in its entirety before attempting to operate the equipment. Please retain this manual for future reference.

TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT UNDER ANY CIRCUMSTANCES REMOVE ANY PARTS OF THE EQUIPMENT COVER. THERE ARE NO USER SERVICEABLE PARTS INSIDE. ALL SERVICING MUST BE CARRIED OUT BY QUALIFIED SERVICE PERSONNEL.



This icon marks a presence of un-insulated “dangerous voltage” within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This icon marks important operating, maintenance and service information that should be read to prevent possible personal injury

WARNINGS



Do Not Disassemble

Do not attempt to service the equipment beyond that described in this manual. Touching the equipment's internal parts could result in severe personal injury. All other servicing or problems as listed below should be referred to qualified Consonance service technicians:

- The power supply cord or plug has been damaged
- Objects have fallen or liquid has been spilled into the equipment
- The equipment does not appear to function normally or exhibits a marked change in performance
- The equipment has been dropped or the enclosure damaged

Do not under any circumstances allow anyone to modify your Consonance equipment without first checking with Opera Audio, your dealer, or your distributor. Unauthorized modifications will invalidate your guarantee.

Power Source

The equipment should be connected to a power supply only of the type described in this manual or as marked on the equipment.

Grounding or Polarization

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the amplifier.

Ventilation

The equipment should be situated so that its location or position does not interfere with its proper ventilation.

1. The equipment must not be placed on bed, sofa, or similar surfaces, that may block the ventilation openings,
2. The equipment must not be placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air.
3. The equipment should be situated away from heat sources such as radiators, heat register, stoves, or other electronic appliances that produce heat. This equipment is not intended for commercial use.

Water and Moisture

The equipment should not be used near water, e.g., near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool etc. Similarly, do not place objects filled with liquid, such as vases on top of the equipment.

Lighting

Consonance hi-fi system can be damaged by lightning. Power amplifiers are particularly at risk and therefore should be turned off when there is risk of lightning strike. For complete protection all mains plugs and any aerial cables should be disconnected when not in use.

Power Lines

In case of connecting a tuner, an outdoor antenna should be located away from power lines. If an outside antenna is connected to the system, be sure the antenna is grounded so as to provide some protection against voltage surges and built up of static charges.

Cleaning

Never clean with furniture polish, benzene, or volatile liquids. Dust periodically with a clean, soft paint brush. Fingerprints can be removed with a moist polishing cloth.

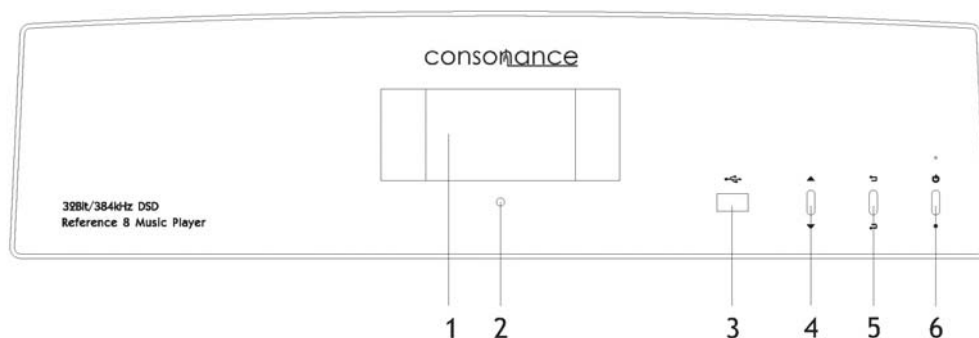
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How to Use	7
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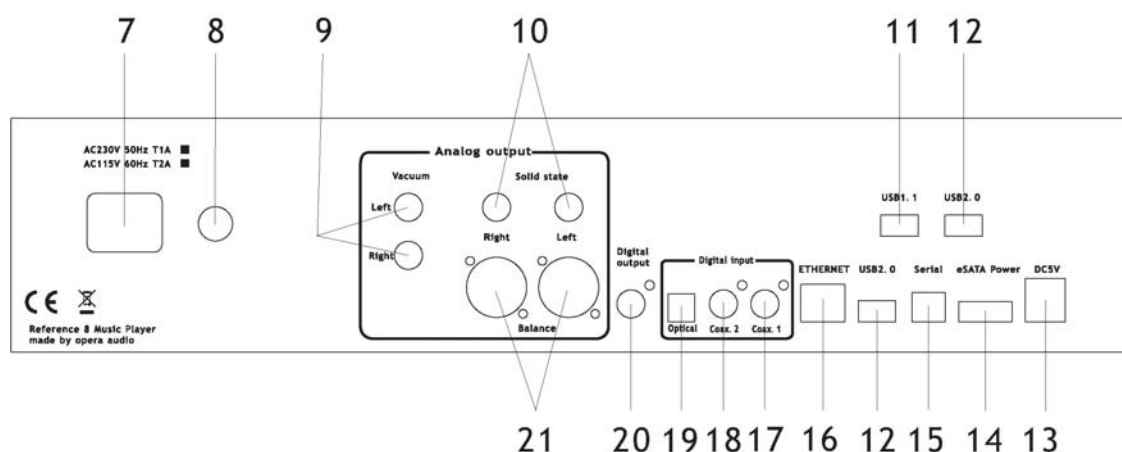
Please check the following Appendix ments are complete :

❶ Remote control	1pcs
❷ Power Cable	1pcs
❸ Instructions for use	1pcs
❹ X3 Repeater	1pcs

Introduction



1. Display screen
2. IR sensor
3. USB2.0 jack
4. Left/Right switch
5. Enter/Back switch
6. Power switch



7. AC Power Socket
8. Fuse
9. RCA Vacuum Analog outputs
10. RCA Analog outputs
11. USB 1.1 jack for external DVD-ROM
12. USB 2.0 jack
13. USB DC5V power port
14. eSATA power port
15. Serial port for on-line Debug
16. Ethernet RJ-45 LAN interface
17. RCA Coaxial Digital input 1
18. RCA Coaxial Digital input 2
19. RCA Optical input
20. RCA Coaxial Digital outputs
21. RCA Analog Balance outputs

Before Use

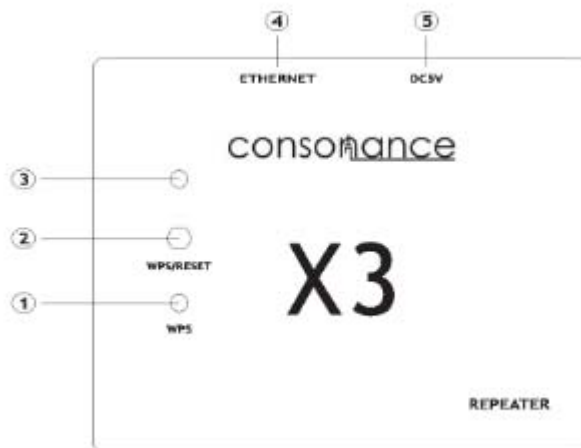
Connect the Reference 8 to WIFI router through network wire before power on.

If the Reference 8 can not connect to WIFI router through network wire then use the X3 repeater.

The first time to use X3 repeater connect to WIFI router by WPS quick connection:

1. Connect the X3 to the DC5V USB power supply(Refernce 8 rear Panel No.13 port);
2. Use the network wire connect X3 and Reference 8;
3. Press the WIFI router WPS button;
4. Press the X3 repeater WPS button;
5. Wait 30sec the X3 WPS LED will be lighting, the network is working.

When finish the first time connection. The X3 will connect to WIFI router automatically.

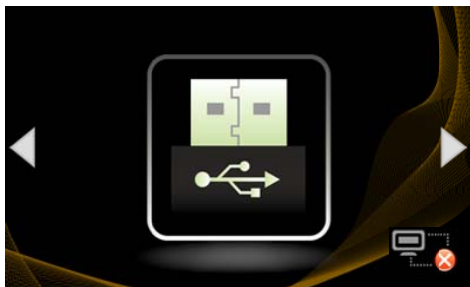



1. WPS status LED
2. WPS/RESET button
3. Data status LED
4. Ethernet port
5. USB power supply

How to Use



Switch on.
Allow about 1 minute. For proper warm up



Wait until the network logo turns green  then you may begin.

The DLNA APP is necessary to control the Reference 8.

APP Guide LINK:

<http://www.opera-consonance.com/products/digital/Reference8.htm>

iOS:



8Player (We recommend you purchase the official version)




iMedashare for iOS (for transferring music stream from iPhones to the Reference 8)

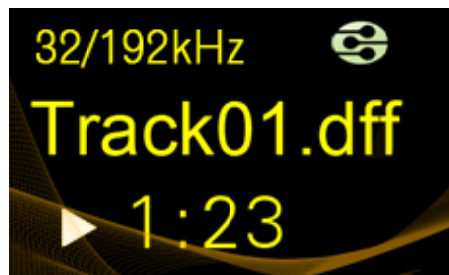
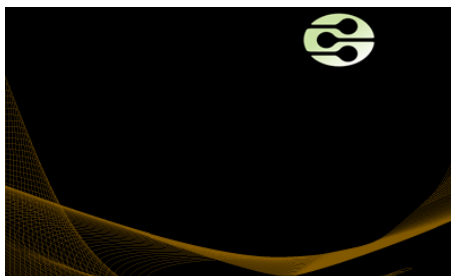
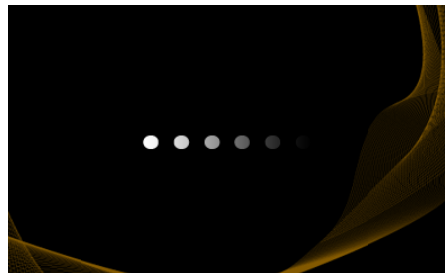
Android:



BubbleUPnP (Recommended)


DLNA Play Mode





Press the  or press OK on the remote control. Enter the DLNA mode.



DLNA Playing interface.

We recommend that all songs are controlled by phone or Pad.

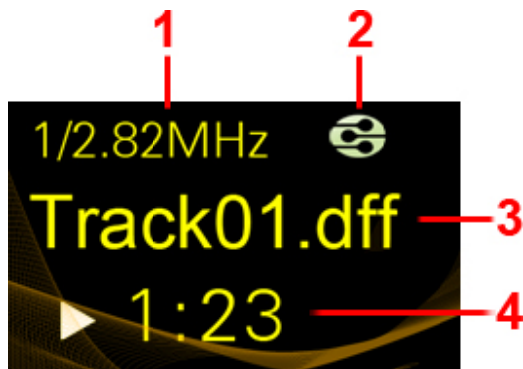
Press EXIT on the remote control or press  to quit the normal mode.

Press the  and  on the front panel or press the  and  buttons on the remote control to scan for options.

Press  on the front panel or press **OK** on the remote control to choose.


Press  on the front panel or press  on the remote control to back

Descriptions for playing interface



- 1 Sampling rate
- 2. DLNA playing mode
- 3. File name
- 4. Play time

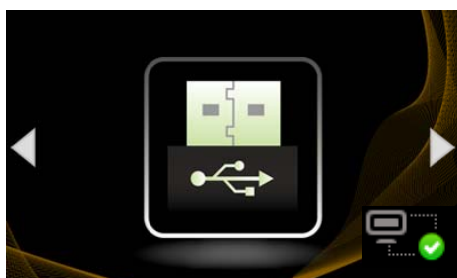
The remote control will be block in DLNA mode except “Exit” and volume control buttons.

. During operation, Press ▲ and ▼ on the front panel or press ▲ and ▼ on the remote to volume control. Press the  on the remote control for Mute



Enter to the USB storage play function.

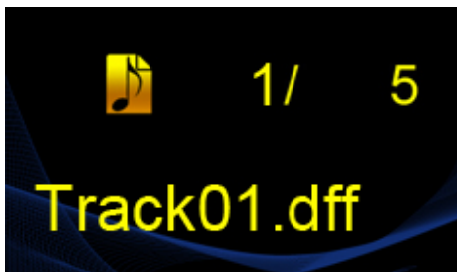
The screen will show:





USB storage device

If it is a hard disk with partitions, there will show USB-1 and USB-2.



Press ▲ and ▼ on the front panel or press the ◀ and ▶ buttons on the remote control to choose the folders.




Means the current selection is a folder



Means the current selection is a music file.



Means the file or folder number is in its current selection.

Press the  on the front panel or OK button on the remote to play the music.

Descriptions for playing interface

1. Sampling rate
2. USB playing mode
3. Play mode



Single file repeat



Folder files repeat



No repeat



Random play








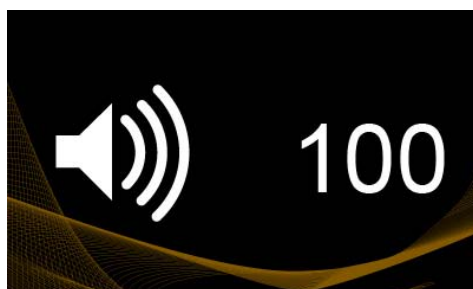
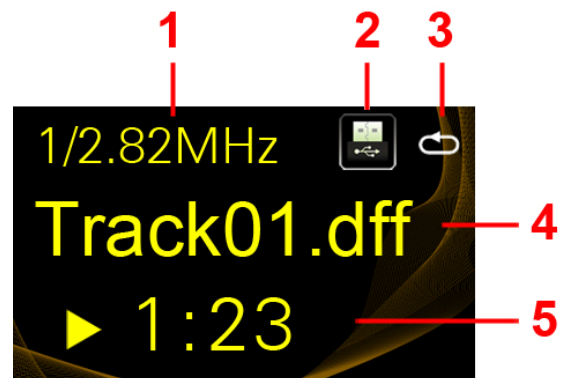
Sequence

4. File name

5. Play time

Press the **Time** button on the remote control to switch to the current remaining time.

During operation, Press  and  on the front panel or press  and  on the remote to volume control. Press the  on the remote control for Mute




The following operation can **ONLY** be performed by remote control or the button on the front panel.

Internet Radio

To play internet radio needs stable Internet connection.



There are some pre-programmed internet radio stations already in the Ref 8.

Press  on the front panel or press the OK buttons on the remote control to play.



After a few seconds of buffering time the internet radio selection will begin play.

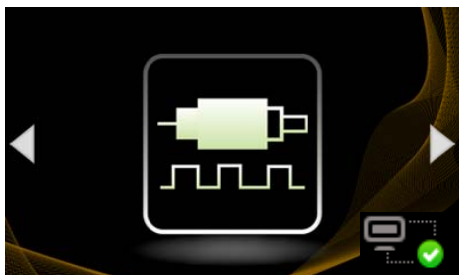
The iRadio list can be updated through firmware upgrade. Please visit <http://www.opera-consonance.com> to get firmware package.

Please keep Reference 8 connect to internet during the radio list firmware updating.



DAC Mode

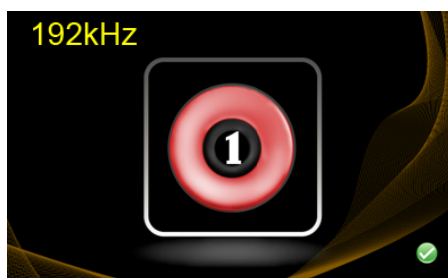
The Reference 8 can be used as a high quality DAC.



Reference 8 can be used as DAC, supports PCM 44.1K, 48K, 88.2K, 96K, 176.4K and 192K. There are three icons in this mode, choose it by the remote control and the switch on the front panel.

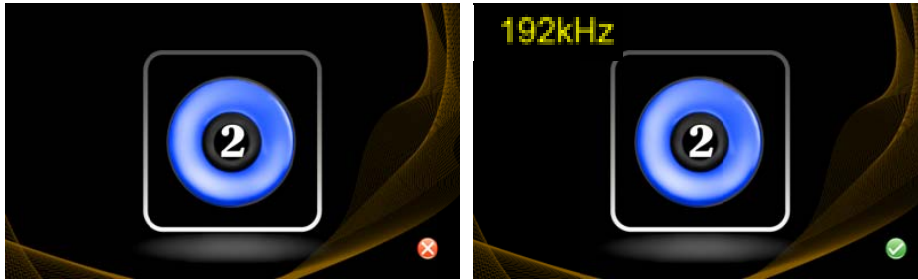
1/2 Digital Input

Coaxial 1

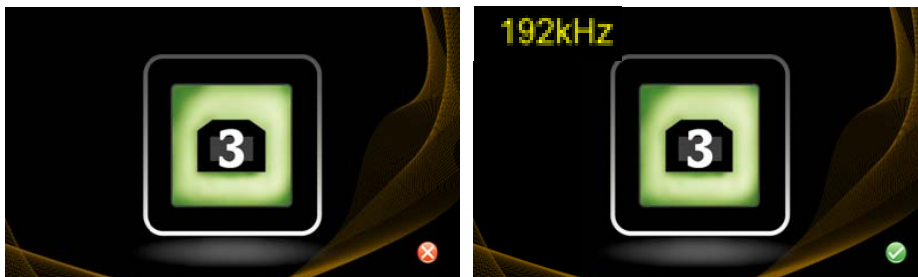




Coaxial2






Optical Input



The switch  and the remote control key .

“Green “ is locked in

Press the switch  and the “exit “key back to main menu

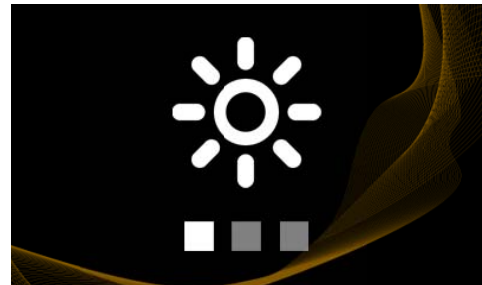
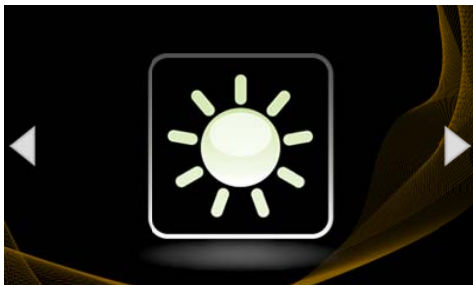
Set Up



SETUP OPTION: Brightness, Update and About.

1. Brightness

There are 3 levels of adjustment.



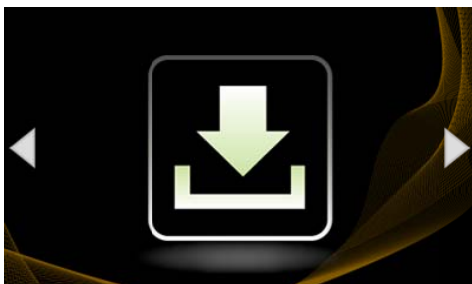
2. Update

The system supports firmware upgrade.
Copy the update firmware document
(ending with *.pkg) when using a USB stick.
Plug the USB into USB HOST port, choose
it through the Fraxel



3. About

Enter, to check firmware version.



Reference8 Specification

1. 32Bit/384KHz PCM music playback
1Bit/2.82MHz DSD64 music playback
2. Internet radio.
3. Upgradeable firmware through USB memory device
4. Support play DFF/DSF/WAV/FLAC/ALAC/ACC etc, digital music format
5. 10/100Mbps LAN,RJ-45 port, support TCP/IP,UPnP, UDP, RTSP, DHCP, PPPoE, HTTP etc, support NAS and PC sharing, support MMS,RTSP,HTTP etc, stream media protocol
6. 2.4 inch TFT nature color full screen, support IR remote control, iphone and Android phone/pad control
7. USB2.0 portx3 for hard disk up to 4TB, eSATA power port,USB1.1 port for external CD-ROM
8. Analog output : 2.3RMS(RCA,XLR)
Distortion: <0.0025% (XLR output),<0.003%(RCA output),
<0.06%(Vacuum output)
SNR: >110dB(RCA,XLR)
Digital input jacks: Coaxial RCA(75 ohm)x2,Optical x1, USB port x3,
eSATA power portx1,LANx1
Digital output jack: Coaxial x1 (0.5Vpp)
Analog output jacks: Vacuum RCA x1, RCA x1 ,XLR x1
Size:13.7cm x44cm x44cm (HxWxD)
Weight: 9kg(wooden top cover) 13kg (aluminium top cover)

Warranty

Opera audio guarantees each product manufactured by us to be free from defects in materials and workmanship under normal use. Our obligation under this warranty is limited to making good at our factory any part or parts thereof which shall, within 1 year after delivery to the original purchaser, be returned to us with transportation charges prepaid, and which an examination shall disclose to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part. This warranty shall not apply to any Opera audio product which shall have been repaired or altered outside of our factory in any way so as to affect its stability, nor which has been subject to misuse, negligence or accident. Warranties of the vacuum tubes are by the respective manufacturers, usually 90 days.

Please mail or e-mail the Registration Card to the address as follows:

The Opera Audio Co., Ltd.

No.2 JiuXianQiaoLu

ChaoYang District

Beijing, China

Tel: 86 10 59789215

Fax: 86 10 59789265

support@opera-consonance.com

www.opera-consonance.com



Registration Card

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City
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Model
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Purchase Date
Dealer